

INSULATORS  
TCIN-SERIES 1,3 W/m\*K

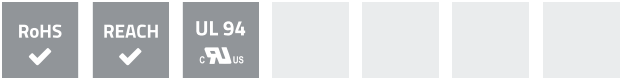
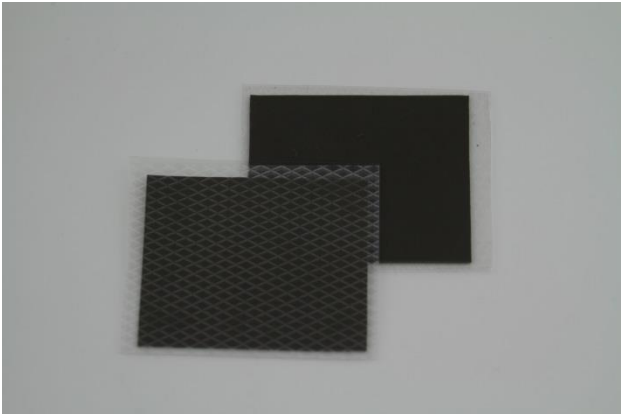


Thermally conductive insulators are characterized by a good heat conduction and an excellent dielectric strength. They also possess a good electrical isolation.

This type of insulator is a silicone based thermal material coated on polyimid film.

The smooth and compliant surface of insulators can minimize the thermal resistance and thus maximize the thermal performance.

- Thermal conductivity: 1,3 W/m\*K
- Available in thickness: 0,2 mm
- Low thermal resistance
- Good electrical isolating
- Easy to assemble
- Cost effective



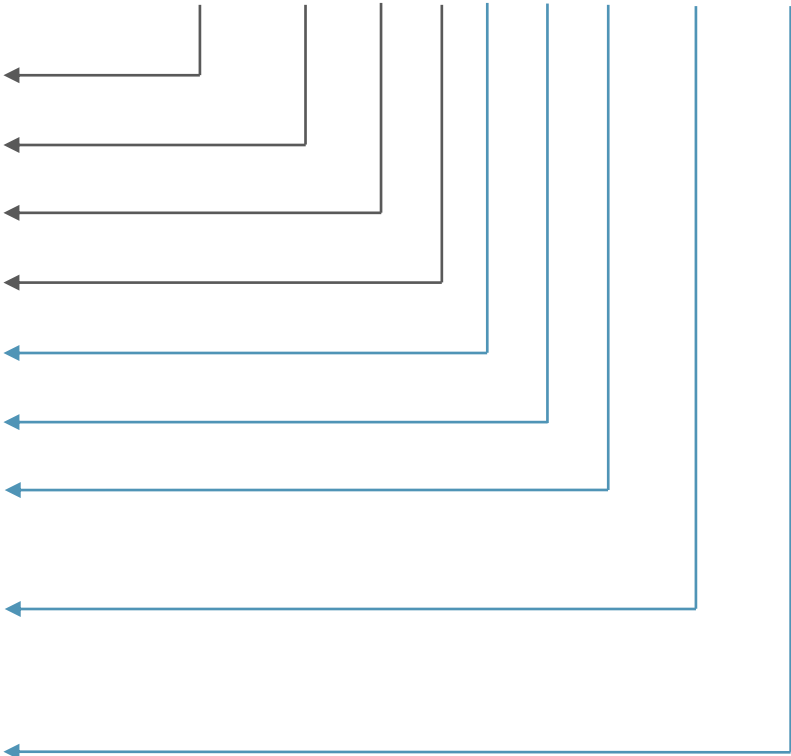
PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
THERMAL		
Thermal conductivity	1,3 W/m*K	ASTM D5470
ELECTRICAL		
Breakdown voltage (KV/0,2mm)	10	ASTM D149
Volume resistivity	10 <sup>12</sup> Ω*cm	ASTM D257
PHYSICAL		
Base material	Silicone coating on polyimid film	-
Hardness	80 ShoreA	ASTM D2240
Gravity	2,5 g/cm <sup>3</sup>	-
Thickness range	0,2mm ± 10%	ASTM D374
Standard sheet size	300x400mm	-
Working temperature	-40 – 180 °C	-
Tensile strength	4000Psi	ASTM D412
Total mass loss (TML)	< 0,5% @ 24 h / 125°C vakuum	ASTM E595- 15

BUILDING AN ITEM NUMBER

TCIN-1,3 S80 PI-LxWx0,2-XXX-YYY

Thermally Conductive Insulator	
Thermal conductivity	
Shore A hardness	
Polyimide film	
xxx	Length (mm)
xxx	Width (mm)
0,2	Thickness (mm)
BNT	Both sides non-tacky
SAN	One side adhesive - one side non-tacky
DST	Die-cut parts
KCT	Kiss-cut parts



Standard options

EXAMPLE

TCIN-1,3 S80 PI-35x17x0,2-BNT-DST

Thermally conductive insulator; thermal conductivity: 1,3 W/m\*K; hardness: 80 Shore A; polyimide film; size: 35x17 mm; thickness: 0,2 mm; both sides non-tacky; die-cut